

# ABSTRACT OF THE DISCLOSURE

In a process for producing a catalytic converter, catalytically active material is electrochemically deposited on a substrate by immersing the substrate in an electrolyte which contains the catalytically active material and applying voltage between the substrate and a counterelectrode. The catalytically active material is deposited on a metal substrate as a result of the substrate which is to be coated being acted on by current or voltage pulses of predetermined amplitude and/or frequency. The catalytically active material is directly and securely joined to the substrate.